



Minimum tube length

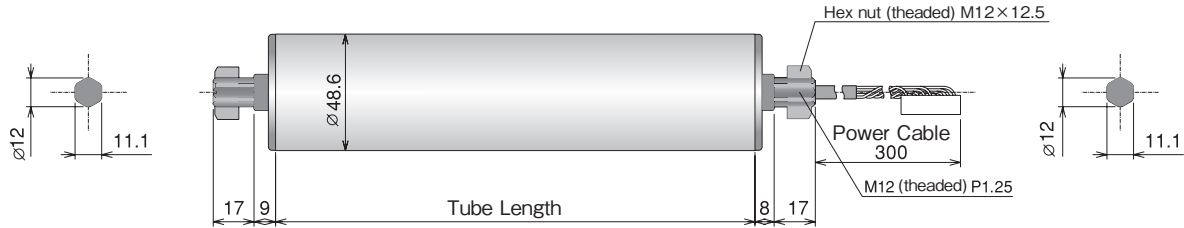


Spring loaded shaft

MDR Brushless DC Motor High torque type PM486FP Roller diameter $\varnothing 48.6$

Roller diameter $\varnothing 48.6$ PM486FP

- Roller diameter / $\varnothing 48.6$
- Thickness / t1.4
- Voltage / 24V DC
- Tube material / STKM12
- Surface treatment / Trivalent chromate processing



Tube Length : PM486FP

	370mm	370mm \leq						
Tube Length (mm)	400	500	600	700	800	900	1000	
Weight (kg)	2.3	2.5	2.6	2.7	2.8	3.0	3.1	
Spring loaded shaft	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

■ Conveyor frame inside dimension and frame hole shape vary by the manufacturer.

Product Designation :

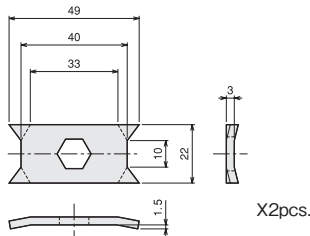
PM486FP - 15 - 400 - D - 024 - BR

Power Moller model Nominal Tube Speed Voltage Options

- Motor type : FP
 Nominal Speed : 15,55,255
 Tube Length : Specify in mm.
 Voltage : D-024 (24VDC)
 Options : Each of the following optional specification may be selected.

Mounting Bracket :

No.P-0B1



Options : PM486FP

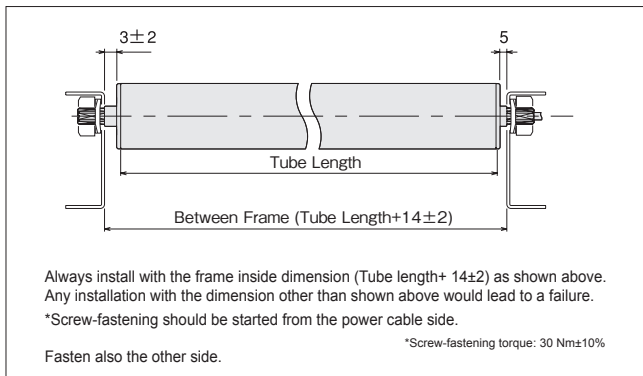
- Rubber Laggings - NR, UR, NB, CR** P.66
Natural rubber, Urethane, NBR, Neoprene
- BR Built-In Brake - BR^{*1}** P.67
 440mm 440mm \leq
- VP V-Belt Pulley** P.71
 370mm 370mm \leq
- P2 Double Grooved Tube^{**2}** P.72
 370mm 370mm \leq

^{*1} When holding type built-in brake is required, specify along with a driver card compatible with such brake specification.


[Electric brake (no holding function)] is included in the standard specification.

^{**2} Up to 800mm can be produced.

■ For other specification, refer to P.73.



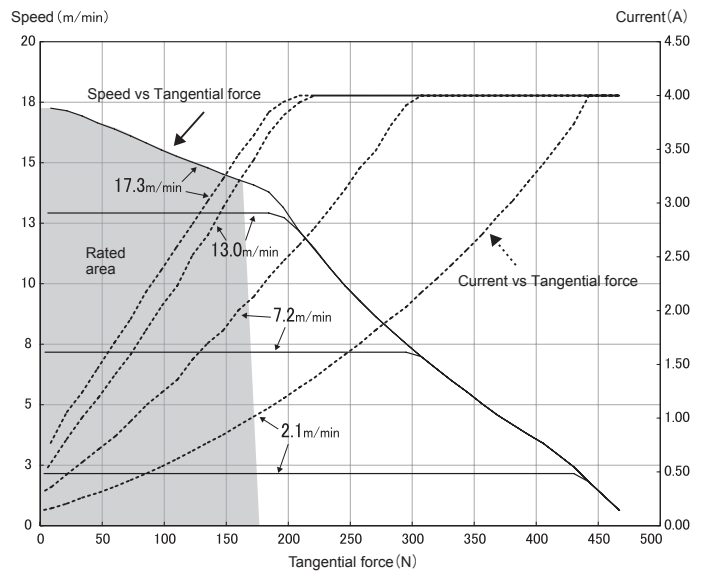
MDR Brushless DC Motor High torque type PM486FP Roller diameter $\varnothing 48.6$

 [MDR Selection Tool] is available on our web page.

Operating characteristics with CB-016N6 driver card

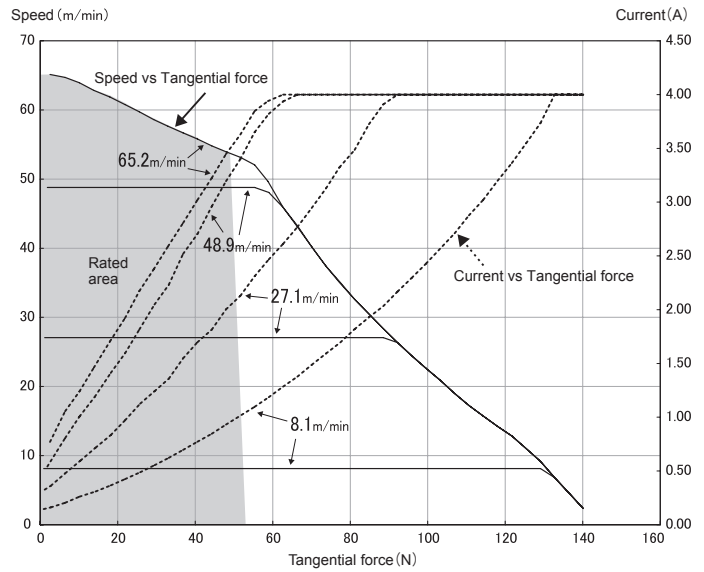
PM486FP-15

Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Internal Rotary Switch No.		External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting			SW1#5	SW5	
17.3	14.2	163		0.9		60	84	9	9.6~9.9	465
15.8	14.2	163		0.8		60	84	8	9.1~9.4	
15.1	14.2	163		0.8		60	84	7	8.6~8.9	
14.4	14.2	163		0.8		60	84	6	8.1~8.4	
13.7	13.7	163		0.7		57	82	5	7.6~7.9	
13.0	13.0	164		0.7		54	78	4	7.1~7.4	
11.5	11.5	165		0.6		49	70	3	6.6~6.9	
10.8	10.8	166		0.6		45	68	2	6.1~6.4	
10.1	10.1	167		0.6		42	64	1	5.6~5.9	
9.4	9.4	167		0.5	4.0	39	61	0	5.1~5.4	
8.6	8.6	168		0.5		36	57	9	4.6~4.9	
7.9	7.9	169		0.5		33	53	8	4.1~4.4	
7.2	7.2	169		0.5		30	50	7	3.6~3.9	
6.5	6.5	170		0.4		27	47	6	3.1~3.4	
5.7	5.7	171		0.4		24	43	5	2.6~2.9	
5.0	5.0	171		0.4		21	40	4	2.1~2.4	
4.3	4.3	172		0.3		18	37	3	1.6~1.9	
3.6	3.6	173		0.3		15	32	2	1.1~1.4	
2.9	2.9	173		0.3		12	28	1	0.6~0.9	
2.1	2.1	174		0.2		9	28	0	0.1~0.4	



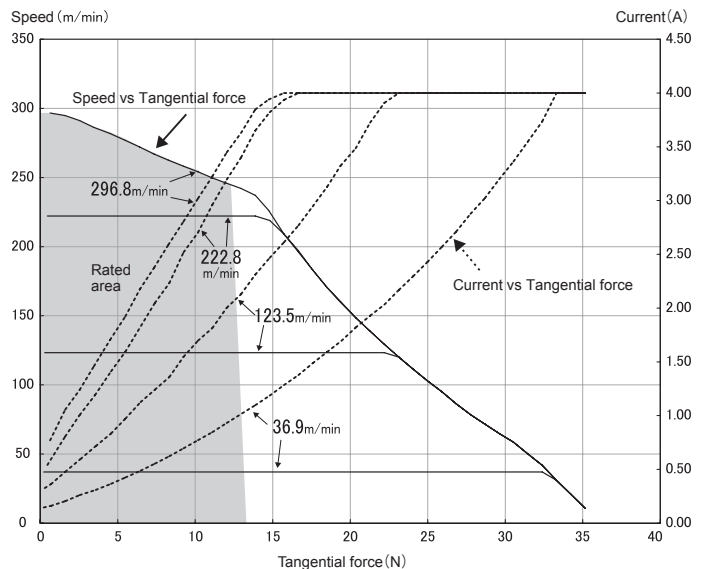
PM486FP-55

Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Internal Rotary Switch No.		External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting			SW1#5	SW5	
65.2	53.5	49		0.9		60	84	9	9.6~9.9	140
59.7	53.5	49		0.8		60	84	8	9.1~9.4	
57.0	53.5	49		0.8		60	84	7	8.6~8.9	
54.3	53.5	49		0.8		60	84	6	8.1~8.4	
51.6	51.6	49		0.7		57	82	5	7.6~7.9	
48.9	48.9	49		0.7		54	78	4	7.1~7.4	
43.4	43.4	50		0.6		49	70	3	6.6~6.9	
40.7	40.7	50		0.6		45	68	2	6.1~6.4	
38.0	38.0	50		0.6		42	64	1	5.6~5.9	
35.3	35.3	50	140	0.5	4.0	39	61	0	5.1~5.4	
32.6	32.6	51		0.5		36	57	9	4.6~4.9	
29.9	29.9	51		0.5		33	53	8	4.1~4.4	
27.1	27.1	51		0.5		30	50	7	3.6~3.9	
24.4	24.4	51		0.4		27	47	6	3.1~3.4	
21.7	21.7	51		0.4		24	43	5	2.6~2.9	
19.0	19.0	52		0.4		21	40	4	2.1~2.4	
16.3	16.3	52		0.3		18	37	3	1.6~1.9	
13.6	13.6	52		0.3		15	32	2	1.1~1.4	
10.9	10.9	52		0.3		12	28	1	0.6~0.9	
8.1	8.1	52		0.2		9	25	0	0.1~0.4	




PM486FP-255

Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Internal Rotary Switch No.		External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting			SW1#5	SW5	
296.8	243.7	12		0.9		60	84	9	9.6~9.9	35
272.0	243.7	12		0.8		60	84	8	9.1~9.4	
259.7	243.7	12		0.8		60	84	7	8.6~8.9	
247.4	243.7	12		0.8		60	84	6	8.1~8.4	
235.1	235.1	12		0.7		57	82	5	7.6~7.9	
222.8	222.8	12		0.7		54	78	4	7.1~7.4	
197.7	197.7	12		0.6		49	70	3	6.6~6.9	
185.4	185.4	12		0.6		45	68	2	6.1~6.4	
173.1	173.1	13		0.6		42	64	1	5.6~5.9	
160.8	160.8	13	35	0.5	4.0	39	61	0	5.1~5.4	
148.5	148.5	13		0.5		36	57	9	4.6~4.9	
136.2	136.2	13		0.5		33	53	8	4.1~4.4	
123.5	123.5	13		0.5		30	50	7	3.6~3.9	
111.2	111.2	13		0.4		27	47	6	3.1~3.4	
98.9	98.9	13		0.4		24	43	5	2.6~2.9	
86.6	86.6	13		0.4		21	40	4	2.1~2.4	
74.3	74.3	13		0.3		18	37	3	1.6~1.9	
62.0	62.0	13		0.3		15	32	2	1.1~1.4	
49.7	49.7	13		0.3		12	28	1	0.6~0.9	
36.9	36.9	13		0.2		9	25	0	0.1~0.4	



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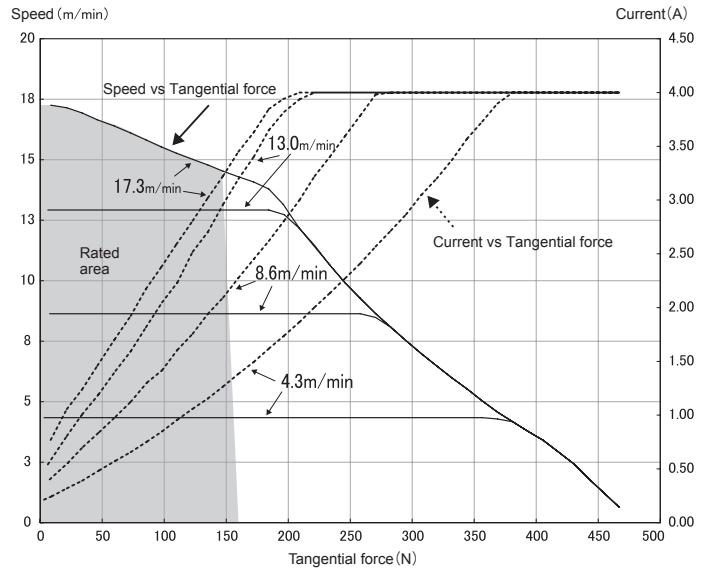
MDR Brushless DC Motor High torque type PM486FP Roller diameter $\varnothing 48.6$

 [MDR Selection Tool] is available on our web page.

Operating characteristics with HB-510N driver card

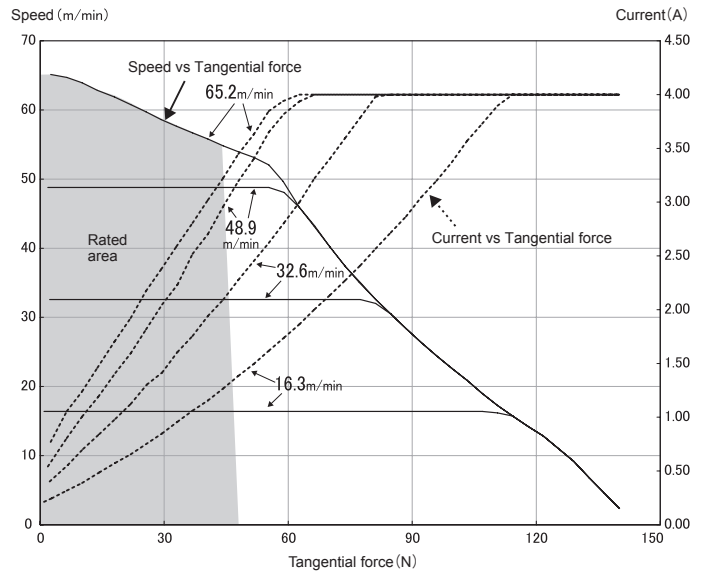
PM486FP-15

Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Rotary SW No	External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting				
17.3	14.6	146	465	0.9	4.0	53	77	9	9.3~9.7
15.8	14.6	146		0.8		53	77	8	8.3~8.7
14.4	14.4	147		0.8		52	77	7	7.3~7.7
13.0	13.0	148		0.7		47	72	6	6.3~6.7
11.5	11.5	149		0.6		42	67	5	5.3~5.7
10.1	10.1	150		0.6		36	59	4	4.3~4.7
8.6	8.6	152		0.5		31	52	3	3.3~3.7
7.2	7.2	153		0.5		26	46	2	2.3~2.7
5.7	5.7	154		0.4		21	39	1	1.3~1.7
4.3	4.3	155		0.3		16	32	0	0.3~0.7



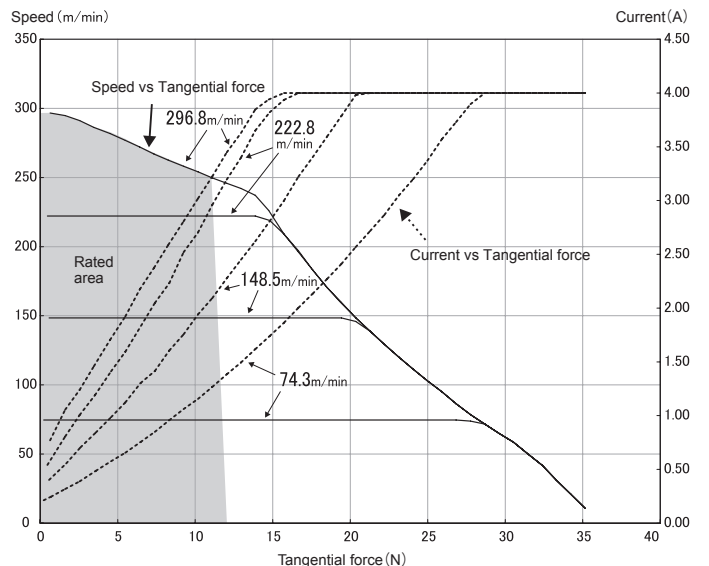
PM486FP-55

Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Rotary SW No	External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting				
65.2	55.0	44	140	0.9	4.0	53	77	9	9.3~9.7
59.7	55.0	44		0.8		53	77	8	8.3~8.7
54.3	54.3	44		0.8		52	77	7	7.3~7.7
48.9	48.9	44		0.7		47	72	6	6.3~6.7
43.4	43.4	45		0.6		42	67	5	5.3~5.7
38.0	38.0	45		0.6		36	59	4	4.3~4.7
32.6	32.6	46		0.5		31	52	3	3.3~3.7
27.1	27.1	46		0.5		26	46	2	2.3~2.7
21.7	21.7	46		0.4		21	39	1	1.3~1.7
16.3	16.3	47		0.3		16	32	0	0.3~0.7



PM486FP-255

Speed (m/min)		Tangential Force (N)		Input Current (A)		Power Input (W)	Power Output (W)	Rotary SW No	External input voltage (V)
No-load	Rated	Rated	Starting	No-load	Starting				
296.8	250.6	11	35	0.9	4.0	53	77	9	9.3~9.7
272.0	250.6	11		0.8		53	77	8	8.3~8.7
247.4	247.4	11		0.8		52	77	7	7.3~7.7
222.8	222.8	11		0.7		47	72	6	6.3~6.7
197.7	197.7	11		0.6		42	67	5	5.3~5.7
173.1	173.1	11		0.6		36	59	4	4.3~4.7
148.5	148.5	11		0.5		31	52	3	3.3~3.7
123.5	123.5	11		0.5		26	46	2	2.3~2.7
98.9	98.9	12		0.4		21	39	1	1.3~1.7
74.3	74.3	12		0.3		16	32	0	0.3~0.7



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